OPTIMUM®
MASCHINEN - GERMANY

Instructions For Use

Version 1.0

Magnifying lamp

LED MBLV 3351090

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1 Preface

Dear customer, Thank you very much for purchasing this product made by OPTIMUM. You have purchased a product which has been designed according to state of the art.

It meets the requirements of the applicable European and national guidelines.

To maintain this condition and to ensure safe operation, you must observe as user these user manual !

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

All persons involved in the installation, commissioning, operation, maintenance and repair of this magnifying lamp must

- O be qualilfied,
- O follow the instructions of this manual.

2 Safety instructions

2.1 Classification of hazards

We classify the safety warnings into different categories. The table below gives an overview of the classification of symbols (ideogram) and the warning signs for each specific danger and its (possible) consequences.

Symbol	Alarm expression	Definition / consequence
	DANGER!	Impending danger that will cause serious injury or death to people.
	WARNING!	A danger that can cause serious injury or death.
	CAUTION!	A danger or unsafe procedure that can cause personal injury or damage to property.
	ATTENTION!	Situation that could cause damage to the product, as well as other types of damage. No risk of injury to persons.
	INFORMATION	Practical tips and other important or useful information and notes. No dangerous or harmful consequences for people or objects.

In case of specific dangers, we replace the pictogram with

general danger

with a warning of

or

hazardous electrical voltage,

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2.2 For your own safety

The luminaire has been designed in accordance with state-of-the-art standards, manufactured with utmost care using high-quality materials, and tested. Nevertheless, its use may constitute a risk to persons or cause material damage.

→ Read all enclosed instructions and information.

→ Please observe the warnings included in the documentation and attached to the unit.

→ Use the magnifying lamp in a safety and hazard-conscious manner and only in a technically perfect condition.

→ Keep this document available near the device.

WARNING!

Explosion hazard. Operating the luminaire in rooms subject to explosion hazards can trigger an explosion and result in serious injuries or death.

→ Do not operate the luminaire in rooms subject to explosion hazards.

CAUTION!

Safe mounting. A luminaire falling down can result in personal injuries and material damage.

→ Use only the delivered fastening elements.

→ Mount the fastening elements correctly.

WARNING!

Hazard caused by unsuitable spare parts. Unsuitable spare parts can result in injuries and material damage.

→ Only spare parts released by the manufacturer may be used as spare parts.

3 Designated use

→ This lamp is a magnifying lamp for 1.5 times magnification of objects. The lamp is not suitable for humid and wet environments.

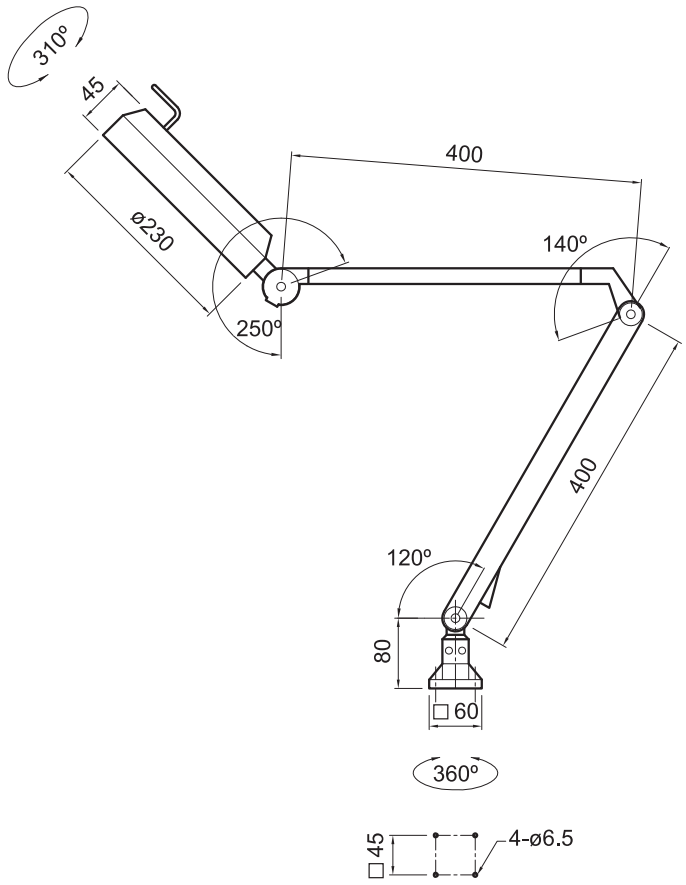
4 Technical specification

- LED technology
- Electrical connection 230V AC
- Frequency 50Hz / 60Hz
- Magnifier diameter 125mm
- LED 14 Watt
- Luminous intensity dimmable from 10% to 100%.
- Colour temperature 5700 K
- Mounting by means of attachment to the base
- Maximum permissible ambient temperature Tmax. 50° C
- Degree of protection IP20, protection class I

5 Assembly

5.1 Fastening

The magnifying lamp is attached to the base of the table.



Img.5-1: Fastening [mm]

5.1.1 Connection

ATTENTION!

Material damage caused by wrong mains voltage. Damage or destruction of the luminaire.

→ Compare the mains voltage with the nominal voltage and the frequency specified on the rating plate and make sure that they are identical.

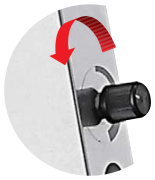
6 Operation

ATTENTION!

Damage to property due to incorrect handling. Damage to the luminaire.

→ Do not turn joints over the possible swivel range.

The luminaire has a switch and a knob to adjust the luminosity.



7 Maintenance

7.1 Replacing the light source

WARNING!

Danger of death due to electric shock. Disconnect the luminaire from the power supply.

ATTENTION!

Material damage caused by using wrong cleaning agents. Damage to the luminaire.

→ Make sure the cleaning agent is compatible with the surface.

The lamp is replaced by replacing the LED tube.

8 Appendix

8.1 Liability claims/warranty

Besides the legal liability claims for defects of the customer towards the seller, the manufacturer of the product, OPTIMUM GmbH, Robert-Pfleger-Straße 26, D-96103 Hallstadt, does not grant any further warranties unless they are listed below or were promised as part of a single contractual provision.

- Liability or warranty claims are processed at OPTIMUM GmbH's discretion either directly or through one of its dealers.
  Any defective products or components of such products will either be repaired or replaced by components which are free from defects. Title to replaced products or components is transferred to OPTIMUM Maschinen Germany GmbH.
- The automatically generated original proof of purchase which shows the date of purchase, the type of machine and the serial number, if applicable, is the precondition in order to assert liability or warranty claims. If the original proof of purchase is not presented, we are not able to perform any services.
- Defects resulting from the following circumstances are excluded from liability and warranty claims:
  - Using the product beyond the technical options and proper use, in particular due to overstraining of the machine.
  - Any defects arising by one's own fault due to faulty operations or if the operating manual

is disregarded.
- Inattentive or incorrect handling and use of improper equipment
- Unauthorized modifications and repairs
- Insufficient installation and safeguarding of the machine
- Disregarding the installation requirements and conditions of use
- atmospheric discharges, overvoltage and lightning strokes as well as chemical influences

O Neither are the following items covered by liability or warranty claims:
- Wearing parts and components which are subject to normal and intended wear, such as V-belts, ball bearings, lighting, filters, seals, etc.
- Non reproducible software errors

O Any services, which OPTIMUM GmbH or one of its agents performs in order to fulfil any additional warranty are neither an acceptance of the defects nor an acceptance of its obligation to compensate. These services neither delay nor interrupt the warranty period.

O The court of jurisdiction for legal disputes between businessmen is Bamberg.

O If any of the aforementioned agreements is totally or partially inoperative and/or invalid, a provision which nearest approaches the intent of the guarantor and remains within the framework of the limits of liability and warranty which are specified by this contract is deemed agreed.

8.2 Disposal via municipal collection facilities

Disposal of used electrical and electronic components (Applicable in the countries of the European Union and other European countries with a separate collecting system for those devices).

The sign on the product or on its packing indicates that the product must not be handled as common household waste, but that is needs to be disposed of at a central collection point for recycling. Your contribution to the correct disposal of this product will protect the environment and the public health. Incorrect disposal constitutes a risk to the environment and public health. Recycling of material will help reduce the consumption of raw materials. For further information about the recycling of this product, please consult your District Office, municipal waste collection station or the shop where you have purchased the product.

EC Declaration of Conformity

according to the Low Voltage Directive 2014/35/EU

The manufacturer / distributor	Optimum Maschinen Germany GmbH Dr.-Robert-Pfleger-Str. 26 D - 96103 Hallstadt, Germany

hereby declares that the following product

Product designation:	Magnifying lamp
Type designation:	LED MBLV - 230V AC

fulfils all the relevant provisions of the directive specified above and the additionally applied directives (in the following) - including the changes which applied at the time of the declaration.

The following additional EU Directives have been applied:

EMC Directive 2014/30/EU ; Restriction of the use of certain hazardous substances in electrical and electronic equipment 2015/863/EU

The following harmonized standards were applied:

EN IEC 55015:2020-07 Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.

EN IEC 61547:2023-11 Equipment for general lighting purposes - EMC immunity requirements

EN IEC 61000-3-2:2023-10 Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current <= 16 A per phase)

EN 61000-3-3:2023-02 Electromagnetic compatibility (EMC) - Part 3-3: Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection

Name and address of the person authorized to compile the technical file:

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Kilian Stürmer (CEO, General Manager)

Hallstadt, 2023-11-07

9 Ersatzteile - Spare parts

Stückliste / Part List MBLV					
Pos	Bezeichnung	Designation	Menge	Grösse	Artikelnummer
			Qty.	Size	Item no.
1	Steuereinheit	LED Driver	1	JR11	0335109001
2	Gehäuse	Housing	1		0335109002
3	Schalter	Switch	1	RL3T125/55	0335109003
4	Lupe	Loupe	1	Ø126,4mm	0335109004
5	Reflektor	Mirror	1		0335109005
6	Lupenhalter	Loupeholder	3		0335109006
7	LED Einheit	LED-Unit	1		0335109007
8	Steuereinheit	LED Driver	1	ESS015W-0350-42	0335109008
9	Oberer Arm	Upper Arm	1		0335109009
10	Unterer Arm	Lower Arm	1		0335109010
11	Standfuss	Base	1		0335109011
12	Klemmgriff	Clamping Grip	1		0335109012
13	Distanzring	Spacer	4		0335109013
14	Griff	Grip	1		0335109014
15	Tischbefestigung	Tablefastening	1		0335109015
16	Distanzring	Spacer	1		0335109016
17	Unteres Gelenk	Lower hinge	1		0335109017
18	Kabelabdeckung	Cable cover	1		0335109018
19	Schutzhülle	Saftey Cover	1		0335109019
20	Dimmer	Dimmer	1		0335109020

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